

Title (en)
LIQUID-LIQUID EXTRACTION SYSTEM AND METHOD

Title (de)
SYSTEM UND METHODE ZUR FLÜSSIG-FLÜSSIG-EXTRAKTION

Title (fr)
SYSTEME ET PROCEDE D'EXTRACTION LIQUIDE-LIQUIDE

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Application
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Abstract (en)
[origin: US2004178147A1] A liquid-liquid extraction system including an outer chamber and an inner chamber. The outer chamber is adapted to contain one of a feed solution and a liquid extractant and defines a containment region. The inner chamber is adapted to contain the other of the feed solution and the liquid extractant within a lower portion of the inner chamber. The inner chamber is defined by a microporous membrane sleeve that internally maintains a frame. Upon final assembly, at least the lower portion of the inner chamber is positioned within the containment region of the outer chamber such that the microporous membrane sleeve establishes an extraction interface between contents of the inner and outer chambers. In one embodiment, the flow region of the microporous membrane sleeve is immersed within a feed solution otherwise contained within the outer chamber.

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